MIAMI-DADE COUNTY PRODUCT CONTROL SECTION 11805 SW 26 Street, Room 208 Miami, Florida 33175-2474

T (786) 315-2590 F (786) 315-2599 www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Thybar Corporation 913 South Kay Avenue Addison, IL 60101

Scope:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: TC-5 Series Steel Roof-Curb for Lennox Rooftop Units

APPROVAL DOCUMENT: Drawing No. RC10982.idw, titled "Roof curb by Thybar Corporation", sheets 1 through 5 of 5, prepared by Paul Selman, P.E., dated June 06, 2011, last revision #3 dated May 15, 2013, signed and sealed by Paul Selman, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each roof-curb shall bear a permanent label with the manufacturer's name or logo, Addison, IL; Farmers Branch, TX; Akron, OH; Louisville, KY; or McCarran, NV and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 11-0715.01 and consists of this page 1, evidence submitted page E-1 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROYED

Hela A. Nela 06/06/2013

NOA No. 12-0828.04 Expiration Date: 09/22/2016 Approval Date: 06/06/2013 Page 1

Thybar Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0715.01

A. DRAWINGS

1. Drawing No. RC10982.idw, titled "Roofcurb by Thybar Corporation", sheets 1 through 5 of 5, prepared by Paul Selman, P.E., dated July 19, 2011, signed and sealed by Paul Selman, P.E., on July 19, 2011.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation titled "146 MPH Wind Load Calculation", dated July 19, 2011, 1 sheet, signed and sealed by Paul J. Selman, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building and Neighborhood Compliance Department.

E. MATERIAL CERTIFICATIONS

1. None.

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. RC10982.idw, titled "Roof curb by Thybar Corporation", sheets 1 through 5 of 5, prepared by Paul Selman, P.E., dated June 06, 2011, last revision #3 dated May 15, 2013, signed and sealed by Paul Selman, P.E.

B. TESTS

1. None.

C. CALCULATIONS

1. Calculation titled "Wind Load Calculation", dated May 16, 2013, 1 sheet, signed and sealed by Paul J. Selman, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

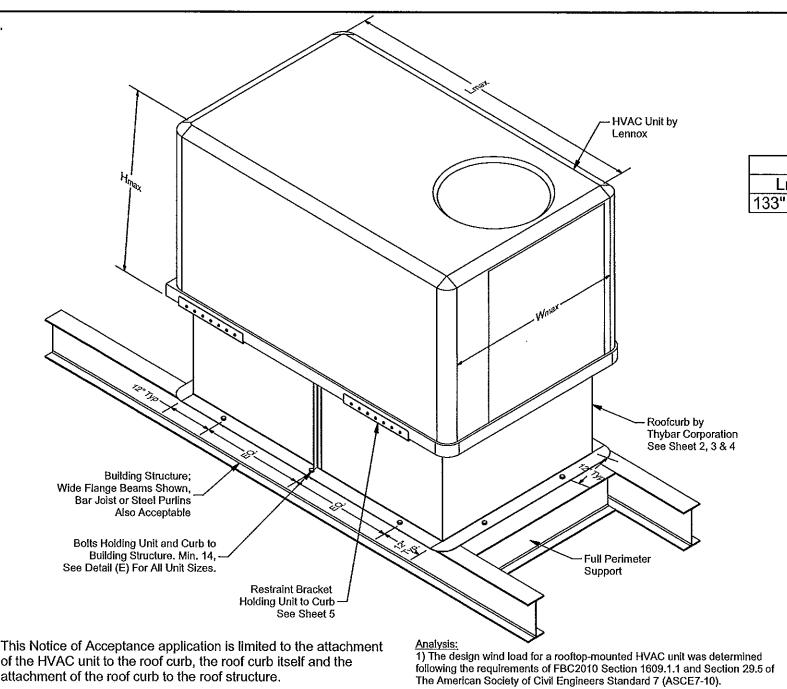
E. MATERIAL CERTIFICATIONS

1. None.

Helmy A. Makar, P.E., M.S. Product Control Unit Supervisor

NOA No. 12-0828.04 Expiration Date: 09/22/2016

Approval Date: 06/06/2013



of the HVAC unit to the roof curb, the roof curb itself and the attachment of the roof curb to the roof structure.

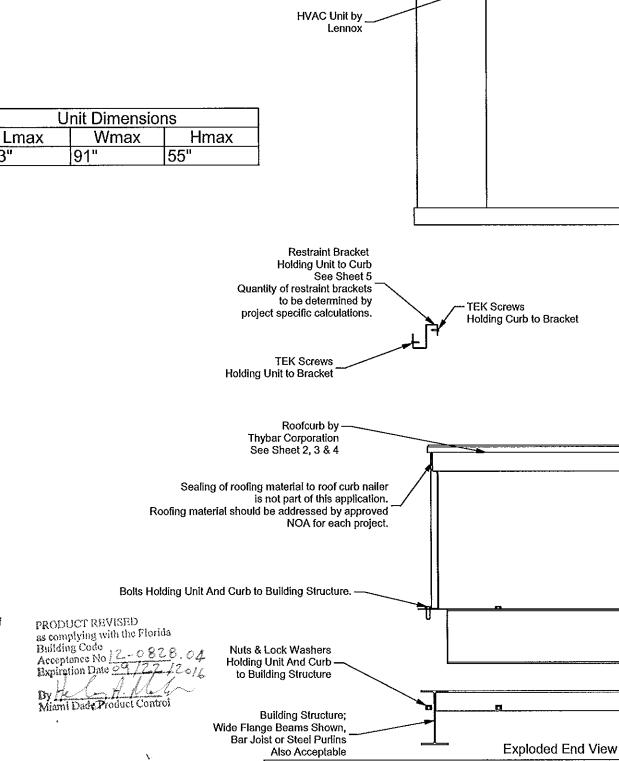
Therefore, the restraint system shown in these drawings will be acceptable for all Lennox units with the following model numbers: SGA/SCA 036-240H, LCH/LGH 036-240. KCA/KGA/KHA 024-240.

General Notes:

- 1) These drawings provide a method of attachment so that a Lennox manufactured HVAC unit will be able to resist the force generated by a wind when the unit is installed on a Thybar Corporation manufactured roofcurb as required by the latest version of the Florida Building Code (FBC).
- 2) The following analysis is being submitted to the Miami-Dade County Product Control Section for review and consideration in assigning a Notice of Acceptance (NOA) for Lennox units installed on Thybar Corporation roofcurbs and restraint brackets.
- 3) The design pressures as determined from Section 1620 of FBC, 2010 Edition and ASCE 7-10 must be multiplied by 0.6

1) The design wind load for a rooftop-mounted HVAC unit was determined following the requirements of FBC2010 Section 1609.1.1 and Section 29.5 of

- 2) Static analysis was used to ensure that all components between the rooftop-mounted HVAC unit and the building structure are of sufficient
- a) The load path from the rooftop equipment to the building structure is of sufficient strength to keep the equipment in place while resisting the tension. shear, moment and uplift forces generated by the wind force acting on the rooftop equipment.
- b) The rooftop unit restraints, the roofcurb wall and the curb attachments to the building structure were all designed and manufactured with the ability to safely transfer the wind-generated force into the building structure.



913 S. Kay Avenue Addison IL 60101

REVISION HISTORY DESCRIPTION REV DATE BY Revised per FBC2010 12/10/2012 **TAmbrosini** Requirements 2 2/11/2013 **TAmbrosini** Per H. Makar Comments 5/15/2013 **T**Ambrosini 3 Per H. Makar Comments Thybar Corporation 1ThyCurb Qty: Tag: Job#: Dwg. RC10982.idw By: TAmbrosini Date: 6/6/2011 D:\Inventor\Thybar Vault\Drawings\Logged Drawings\RC-Roof Curbs\RC10751-RC11000\RC10982\RC10982.idw

Sheet 1 of 5

Max lateral pressure 161.1 (psf), Max uplift pressure 78 (psf)

